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MINERALS PROGRAM
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DIVISION OF
OIL, GAS & MINING

January 30, 1991

D. Wayne Hedburg
Mined Land Reclamation Program
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Mr. Hedburg:

After reviewing the revised plan of operations for the Tenneco Goldstrike Project, UDWR has the following concerns and suggestions:

To aid in eliminating animal losses, cyanide solution ditches should be covered to prevent animals from drinking solution waters.

After consultation with our plant lab in Ephraim, we suggest the following procedures for reseedling during the reclamation process.

1. Topsoil needs to be at least 12 inches in depth to adequately support seeds. The area should be ripped 2-4 feet deep to mix topsoil and rock. This process would break up compacted soil catchment basins, increase water filtration and water holding capacity, improve rooting and create microhabitat and climates for germination, establishment and reproduction.
2. Species recommended for your specific site that have the potential to grow well from direct seeding include:

Palmer penstemon
Intermediate wheatgrass
Lewis flax
Gooseberry leaf and/or scarlet globemallow
Yellow sweetclover
Bottlebrush squirreltail
Desert bitterbrush
Luna pubescent wheatgrass

As many of these species as possible should be incorporated into a seed mixture at an amount no less than 15 lbs. per acre. Additional adaptive species may be used depending on availability of seed.

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3. The following shrub species can be successfully transplanted and should do well on the area.

Wyoming big sagebrush
White stemmed rubber rabbitbrush

4. All seeding should occur November-January, or prior to the summer storms in June and July.
5. The area should be fenced to keep livestock out for at least two growing seasons. Care needs to be taken to insure that the area is not damaged once the fence is removed, since the area will probably have better quality forage than adjoining areas.

Sincerely,



Bruce L. Bonebrake
Habitat Program Manager



F. Clair Jensen
Regional Supervisor

BLB/FCJ/vt

cc: David F. Everett, BLM
Carolyn Wright
Catherine Quinn, SLO